

Viewpoint Parameters

OS reference:	E135 974, N928 180
Ground Level Elevation:	88m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	19°
Distance to nearest turbine:	2,856m
Number of nacelle lighting units theoretically visible ⁴ :	35
Number of tower lighting units theoretically visible ⁴ :	35
Date and time of viewpoint photography:	31/10/2018 @ 17:40
Camera:	Nikon D810
Lens:	50mm (Sigma 50mm 1:2.8 DG)

Information on the limitations of visualisations:

Visualisations of wind farms have a number of limitations which you should be aware of when using them to form a judgement on a wind farm proposal. These include:

- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
- The images provided give a reasonable impression of the scale of the turbines and the distance to the turbines, but can never be 100% accurate;
- A static image cannot convey turbine movement, or flicker or reflection from the sun on the turbine blades as they move;
- The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;
- To form the best impression of the impacts of the wind farm proposal these images are best viewed at the viewpoint location shown;
- The images must be printed at the right size to be viewed properly (260mm by 820mm);
- You should hold the images flat at a comfortable arm's length. If viewing these images on a wall or board at an exhibition, you should stand at arm's length from the image presented.
- The ZTV presented here takes no account of the screening effects of vegetation or buildings.

Additional notes:

- This figure has been based on the following parameters:
Turbine layout file: LSTORNOWAY045.WFL
 - Hub height: 105m/88m
 - Rotor diameter: 150m/136m
 - Height to blade tip: 180m/156m
- Turbine positions could be subject to micro-siting (typically up to 50m).
- Direction given as bearing relative to Grid North (BNG).
- The number of turbine blades and hubs theoretically visible is counted from the wireline in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client



Stornoway Wind Farm
EIA Report

Figure 6D.5a
Viewpoint N3: A859, North of Liurbost

March 2019

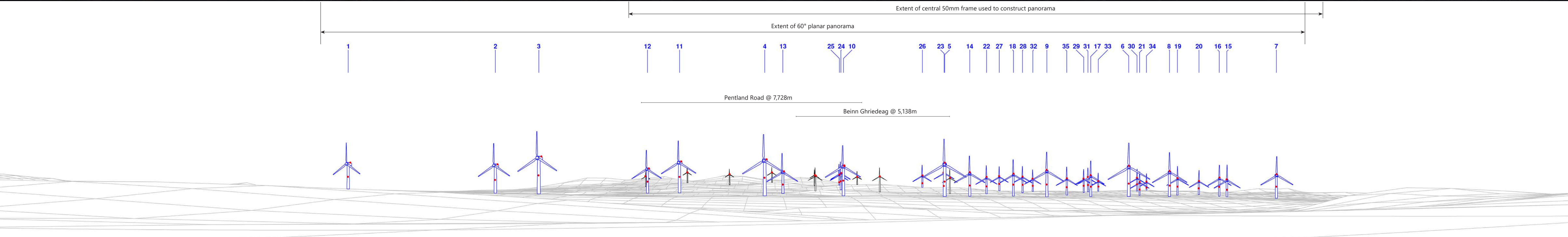


wood.



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: [Symbol] Stornoway Wind Farm [Symbol] Existing

OS reference:	E135 974, N928 180	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D810
Eye level:	89.5m AOD	Principal distance:	522mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)
Direction of view:	13°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	2,856m	Correct printed image size:	820 x 130mm	Date and time:	31/10/2018 @ 17:40

Client



Lewis Wind Power
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 6D.5b
Viewpoint N3: A859, North of Liurbost

March 2019



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H:\Projects\40001 Stornoway Optimisation Feasibility Study\0400\Drawings\40001-G0311.indd Originator: bryc




Photomontage

Note:
In order to show all of the turbines on this photomontage, the planer projection has been increased from the standard 53.5° field of view to 60° field of view with the permission of SNH. The scale of the turbines remains unchanged and otherwise accords with the SNH Visual Representation of Wind Farms Guidance: Version 2.2, February 2017.

OS reference:	E135 974, N928 180	Horizontal field of view:	60° (planar projection)	Camera:	Nikon D810
Eye level:	89.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)
Direction of view:	13°	Paper size:	863mm x 297mm	Camera height:	1.5m AGL
Nearest turbine:	2.856m	Correct printed image size:	843 x 260mm	Date and time:	31/10/2018 @ 17:40


Client



Stornoway Wind Farm
EIA Report

Figure 6D.5c
Viewpoint N3: A859, North of Liurbost

March 2019





View flat at a comfortable arm's length



Photomontage

View flat at a comfortable arm's length

			OS reference:	E135 974, N928 180	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D810	Client		Stornoway Wind Farm EIA Report	Figure 6D.5d Viewpoint N3: A859, North of Liurbost	March 2019	
			Eye level:	89.5m AOD	Principal distance:	522mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)						
			Direction of view:	13°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL						
			Nearest turbine:	2,856m	Correct printed image size:	820 x 260mm	Date and time:	31/10/2018 @ 17:40						